

Abstract

The present invention is directed to producing nano-structured particles that have
5 high specific surface-areas and high thermal stability. By aging nanoparticle precursors,
and processing them under appropriate conditions, one is able to generate nano-structured
particles that may be used in catalysts. By adding a stabilizing agent one is able to further
improve the high thermal stability. These nano-structured particle products are
particularly advantageous in applications as catalysts or catalyst supports that operate at
10 high temperatures.